

# ABSTRACT

A synchronization protecting and setting system for signals received in a radio base station whereby a protection of synchronized word SW detected in a first synchronized word detecting window AP1 can be maintained in a second synchronized word detecting window AP2 is provided. The synchronization protecting and setting method for signals received in a radio base station comprises a first ~~means~~ <sup>unit</sup> generating a first synchronized word detecting window, which covers a position of synchronized word in a reception signal for a reference timing for transmission in the radio base station; a second ~~means~~ <sup>unit</sup> generating a second synchronized word detecting window, which covers the position of the synchronized word in the first synchronized word detecting window; a synchronized word detecting ~~means~~ <sup>unit</sup> detecting the synchronized word in the first or second synchronized word detecting window; and a ~~control means~~ <sup>controller</sup> resetting a position of the second synchronized word detecting window in the first synchronized word detecting window, in a predetermined condition.

0938106-091699